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	DV DIG D I TT	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNET BOCKET NO.	CONFIRMATION NO.	
09/900,986	07/09/2001	Ramkumar Subramanian	039153-0363 (F0804)	8654	
7:	590 01/28/2003				
Joseph N. Ziebert			EXAMINER		
FOLEY & LARDNER			CHEN, JACK S J		
Firstar Center			CHEN, 32	ick o v	
777 East Wisconsin Avenue			ART UNIT	PAPER NUMBER	
Milwaukee, WI 53202-5367					
			2813		
	,		DATE MAILED: 01/28/2003	(0	

Please find below and/or attached an Office communication concerning this application or proceeding.



Application No. 09/900,986 Applicant(s)

Office Action Summary

Subramanian et al.

Examiner

Jack Chen

Art Unit 2813

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The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
Period f	or Reply		_	MONTHS FROM		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the						
mailing - If the p - If NO p - Failure - Any re	date of this communication. eriod for reply specified above is less than thirty (30) days, a reply within the eriod for reply is specified above, the maximum statutory period will apply and to reply within the set or extended period for reply will, by statute, cause the bly received by the Office later than three months after the mailing date of this patent term adjustment. See 37 CFR 1.704(b).	statutory minimum of d will expire SIX (6) M application to become	f thirty (30 MONTHS fo B ABANDO	o) days will be considered timely. from the mailing date of this communication. DNED (35 U.S.C. § 133).		
Status						
1) 💢	Responsive to communication(s) filed on Nov 4, 200			•		
2a) 🗌	This action is FINAL. 2b) This action is non-final.					
3) 🗆	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11; 453 O.G. 213.					
Disposi	tion of Claims					
4) 💢	Claim(s) <u>1-20</u>			is/are pending in the application.		
4	a) Of the above, claim(s)			is/are withdrawn from consideration.		
	Claim(s)					
	Claim(s)					
7) 🗆	Claim(s)					
8) 🛛	Claims <u>1-20</u>					
	ation Papers					
	The specification is objected to by the Examiner.					
10)	The drawing(s) filed on is/are	a) 🗆 accepted	or b)	\square objected to by the Examiner.		
. •,	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)	The proposed drawing correction filed on	is:	a) 🗆 .	approved b) \square disapproved by the Examiner.		
	If approved, corrected drawings are required in reply to this Office action.					
12)	The oath or declaration is objected to by the Examiner.					
	under 35 U.S.C. §§ 119 and 120					
13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some* c) None of:						
	1. \square Certified copies of the priority documents have					
	2. Certified copies of the priority documents have been received in Application No.					
*0	3. Copies of the certified copies of the priority do application from the International Burea	au (PC) Rule I	7.Z(a))	1		
*See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).						
a) The translation of the foreign language provisional application has been received.						
15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachr						
	otice of References Cited (PTO-892)		-	TO-413) Paper No(s)		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Peter			nt Application (PTO-152)			
3) 🔲 li	nformation Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:				

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DETAILED ACTION

1. Applicant's request for reconsideration of the restriction requirement of the last Office action; accordingly, the restriction requirement of that action is withdrawn. However, the examiner notices that there are some improper grouping of the patentably distinct species of the claims as indicated in the previous restriction requirement. Accordingly, the corrected distinct species are shown below.

Election/Restriction

2. This application contains claims directed to the following patentably distinct species of the claimed invention:

Species I, method for forming T-shaped gate conductor in the trench of the *silicon rich* nitride layer according to first embodiment.

Species II, method for forming T-shaped gate conductor in the trench of the silicon oxynitride (SiON) layer according to second embodiment.

Species III, method for forming the trenches/aperture (figs. 4-5) by using selective etching process according to third embodiment.

Species IV, method for forming the trench/aperture by using RELACS (fig. 9) process according to fourth embodiment.

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3. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

- 4. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.
- 5. Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).
- 6. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.
- 7. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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8. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the

inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently

named inventors is no longer an inventor of at least one claim remaining in the application. Any

amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the

fee required under 37 CFR 1.17(I).

9. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Jack Chen whose telephone number is (703) 308-5838. The examiner can

normally be reached on Monday-Friday (alternate Monday off) from 8:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Carl Whitehead, Jr., can be reached on (703)308-4940. The fax phone numbers for

the organization where this application or proceeding is assigned are 703-872-9318 for regular

communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703)308-0956.

Jack Chen

JACK CHEN PATENT EXAMMEN

January 23, 2003